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1 Interactive sound rendering

Dinesh Manocha, Paul Calamia, Ming C. Lin, Dinesh Manocha, Lauri Savioja, Nicolas Tsingos

August 2009   **SIGGRAPH '09:** SIGGRAPH 2009 Courses

Publisher: ACM

Full text available: Pdf (62.61 MB)

Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 144, Downloads (12 Months): 305, Downloads (Overall): 305,   Citation Count: 0

An overview of algorithmic and software technologies related to interactive sound rendering. The course lectures cover three main topics: physically based techniques to synthesize sounds generated from colliding objects or liquid sounds, efficient computation ...

2 Communications of the ACM: Volume 53 Issue 1

January 2010   Communications of the ACM
Publisher: ACM

Full text available: Digital Edition , Pdf (8.09 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 1099, Downloads (12 Months): 1377, Downloads (Overall): 1377,   Citation Count: 0

3 Communications of the ACM: Volume 52 Issue 3

March 2009   Communications of the ACM
Publisher: ACM

Full text available: Digital Edition , Pdf (7.04 MB)

Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 379, Downloads (12 Months): 2642, Downloads (Overall): 2798,   Citation Count: 0

4 Communications of the ACM: Volume 51 Issue 4

April 2008   Communications of the ACM
Publisher: ACM

Full text available: Digital Edition , Pdf (4.24 MB)

Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 165, Downloads (12 Months): 902, Downloads (Overall): 3742,   Citation Count: 0

5 Geometric modeling based on polygonal meshes

Video files associated with this course are available from the citation page

Mario Botsch, Mark Pauly, Leif Kobbelt, Pierre Alliez, Bruno Lévy, Stephan Bischoff, Christian Rössl

August 2007   **SIGGRAPH '07:** SIGGRAPH 2007 courses

Publisher: ACM Request Permissions

Full text available: Pdf (44.53 MB)

Additional Information: full citation, appendices and supplements, abstract, references

Bibliometrics: Downloads (6 Weeks): 122, Downloads (12 Months): 945, Downloads (Overall): 2787,   Citation Count: 2

In the last years triangle meshes have become increasingly popular and are nowadays intensively used in many different areas of computer graphics Land geometry processing. In classical CAGD irregular triangle meshes developed into a valuable alternative ...

6 interactions: Volume 16 Issue 5

September 2009   interactions
Publisher: ACM

Full text available: Digital Edition , Pdf (7.05 MB)   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 123, Downloads (12 Months): 148, Downloads (Overall): 148, Citation Count: 0

7 A quality-aware optimizer for information extraction

Alpa Jain, Panagiotis G. Ipeirotis
April 2009   **Transactions on Database Systems (TODS)** , Volume 34 Issue 1
Publisher: ACM Request Permissions

Full text available: Pdf (1.16 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 282, Downloads (Overall): 282, Citation Count: 1

A large amount of structured information is buried in unstructured text. Information extraction systems can extract structured relations from the documents and enable sophisticated, SQL-like queries over unstructured text. Information extraction systems ...

Keywords: Information Extraction, ROC curves

8 The Sort-Merge-Shrink join

Christopher Jermaine, Alin Dobra, Subramanian Arumugam, Shantanu Joshi, Abhijit Pol
December 2006 **Transactions on Database Systems (TODS)** , Volume 31 Issue 4
Publisher: ACM Request Permissions

Full text available: Pdf (500.81 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 87, Downloads (Overall): 564, Citation Count: 0

One of the most common operations in analytic query processing is the application of an aggregate function to the result of a relational join. We describe an algorithm called the *Sort-Merge-Shrink* (SMS) *Join* for computing the answer to ...

Keywords: OLAP, Online algorithms, nonparametric statistics

9 Towards constructive text, diagram, and layout generation for information presentation

John Bateman, Jörg Kleinz, Thomas Kamps, Klaus Reichenberger
September 2001 **Computational Linguistics** , Volume 27 Issue 3
Publisher: MIT Press

Full text available: Publisher Site , Pdf (1.22 MB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 90, Downloads (Overall): 926, Citation Count: 7

Combining elements appropriately within a coherent page layout is a well-recognized and crucial aspect of sophisticated information presentation. The precise function and nature of layout has not, however, been sufficiently addressed within computational ...

10 Relational confidence bounds are easy with the bootstrap

Abhijit Pol, Christopher Jermaine
June 2005   **SIGMOD '05:** Proceedings of the 2005 ACM SIGMOD international conference on Management of data
Publisher: ACM Request Permissions

Full text available: Pdf (337.51 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 24, Downloads (Overall): 304, Citation Count: 0

Statistical estimation and approximate query processing have become increasingly prevalent applications for database systems. However, approximation is usually of little use without some sort of guarantee on estimation accuracy, or "confidence bound." ...

11 Automatic complex schema matching across Web query interfaces: A correlation mining approach

Bin He, Kevin Chen-Chuan Chang

March 2006 **Transactions on Database Systems (TODS)** , Volume 31 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (1.49 MB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 148, Downloads (Overall): 928, Citation Count: 9

To enable information integration, schema matching is a critical step for discovering semantic correspondences of attributes across heterogeneous sources. While complex matchings are common, because of their far more complex search space, most existing ...

Keywords: Data integration, bagging predictors, correlation mining, deep Web, ensemble, schema matching

12 Sanitization models and their limitations

R. Crawford, M. Bishop, B. Bhumiratana, L. Clark, K. Levitt

September 2006 **NSPW '06:** Proceedings of the 2006 workshop on New security paradigms

Publisher: ACM

Full text available: Pdf (396.84 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 53, Downloads (Overall): 276, Citation Count: 3

This work explores issues of computational disclosure control. We examine assumptions in the foundations of traditional problem statements and abstract models. We offer a comprehensive framework, based on the notion of an inference game, that unifies ...

Keywords: closed world assumption, data sanitization, disclosure control, inference problem

13 Efficient reasoning

Russell Greiner, Christian Darken, N. Iwan Santoso

March 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (445.41 KB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 205, Downloads (Overall): 2402, Citation Count: 9

Many tasks require "reasoning"—i.e., deriving conclusions from a corpus of explicitly stored information—to solve their range of problems. An ideal reasoning system would produce all-and-only the correct answers ...

Keywords: efficiency trade-offs, soundness/completeness/expressibility

14 Deriving private information from randomized data

Zhengli Huang, Wenliang Du, Biao Chen

June 2005 **SIGMOD '05:** Proceedings of the 2005 ACM SIGMOD international conference on Management of data

Publisher: ACM Request Permissions

Full text available: Pdf (424.35 KB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 147, Downloads (Overall): 917, Citation Count: 29

Randomization has emerged as a useful technique for data disguising in privacy-preserving data mining. Its privacy properties have been studied in a number of papers. Kargupta et al. challenged the randomization schemes, and they pointed out that randomization ...

Keywords: PCA, bayes estimate, privacy-preserving data mining, randomization

15 Webcam clip art: appearance and illuminant transfer from time-lapse sequences

Jean-François Lalonde, Alexei A. Efros, Srinivasa G. Narasimhan

December 2009 **SIGGRAPH Asia '09:** SIGGRAPH Asia 2009 papers

Publisher: ACM 〉 Request Permissions

Full text available: 📄Pdf (15.11 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 132, Downloads (Overall): 132, Citation Count: 0

Webcams placed all over the world observe and record the visual appearance of a variety of outdoor scenes over long periods of time. The recorded time-lapse image sequences cover a wide range of illumination and weather conditions -- a vast untapped ...

Keywords: HDR, computer vision, image databases, image-based lighting, object insertion, time-lapse video

Also published in:

December 2009 **Transactions on Graphics (TOG)** Volume 28 Issue 5

16 Data-Fusion in Clustering Microarray Data: Balancing Discovery and Interpretability

Rafal Kustra, Adam Zagdanski

January 2010   **IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB)** , Volume 7 Issue 1

Publisher: IEEE Computer Society Press

Full text available: 📄Publisher Site , 📄Pdf (1.49 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 33, Downloads (Overall): 33, Citation Count: 0

While clustering genes remains one of the most popular exploratory tools for expression data, it often results in a highly variable and biologically uninformative clusters. This paper explores a data fusion approach to clustering microarray data. Our ...

Keywords: Clustering expression data, Gene Ontology, genomic data fusion, semantic similarity, cluster stability, knowledge-based validation.

17 Examining RFID applications in supply chain management

Fred Niederman, Richard G. Mathieu, Roger Morley, Ik-Whan Kwon

July 2007   **Communications of the ACM** , Volume 50 Issue 7

Publisher: ACM 〉 Request Permissions

Full text available: 📄Html (43.54 KB), 📄Pdf (354.46 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 83, Downloads (12 Months): 804, Downloads (Overall): 3455, Citation Count: 4

Technology infrastructure, business process, and managerial issues must be addressed by IT practitioners as they adapt to the business changes associated with the diffusion of RFID technology in the supply chain.

18 Building bridges within learning communities through ontologies and "thematic objects"

Ulrich Hoppe, Niels Pinkwart, Maria Oelinger, Sam Zeini, Felisa Verdejo, Beatriz Barros, Jose Ignacio Mayorga

May 2005   **CSCL '05:** Proceedings of th 2005 conference on Computer support for collaborative learning: learning 2005: the next 10 years!

Publisher: International Society of the Learning Sciences

Full text available: 📄Pdf (410.51 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 67, Downloads (Overall): 317, Citation Count: 6

Communication through artefacts, in the sense of objects (co-)constructed by learners, is a well known mechanism in synchronous shared workspace environments. In this article, we explore the potential of extending this principle to heterogeneous, anonymous ...

Keywords: artefact-centred community support, content-awareness, social navigation

19 Review of "Empirical methods for exploiting parallel texts" by I. Dan Melamed, Cambridge, MA: MIT Press, 2001

Ted Pedersen

June 2002   **Computational Linguistics** , Volume 28 Issue 2

Publisher: MIT Press

Full text available: Pdf (242.09 KB)

Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 18,   Downloads (Overall): 76,   Citation Count: 0

20 Review of "Efficient processing with constraint-logic grammars using grammar compilation" by Guido Minnen, Stanford: CSLI Publications (Stanford monographs in linguistics), 2001

Suresh Manandhar

June 2002   **Computational Linguistics** , Volume 28 Issue 2

Publisher: MIT Press

Full text available: Pdf (242.09 KB)

Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 11,   Downloads (Overall): 49,   Citation Count: 0

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